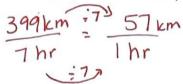


Baxter drives a delivery truck. He travels 399 km in 7 h. At what speed does Baxter drive, in kilometers per hour? Show your work.

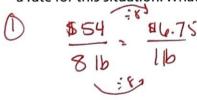


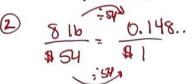
solution Baxter drives 57 km per hour

Donovan designed a charm for a necklace. The charm weighs 2 oz. The chain Donovan has can support a charm that weighs up to 50 g. Can the chain support Donovan's charm? Show your work. (1 g is about 0.0353 oz)

SOLUTION No, the Chain can't support the charm

A catering company sells an 8 lb container of food for \$54. Use a model to write a rate for this situation. What does this rate mean? Show your work.





solution It is \$16.75 for: You get about 0.15 16 for every 1 pound \$1



Roberto makes dumplings. Today, it takes him 54 min to make 18 dumplings. He plans to make dumplings for 66 min tomorrow and to work at the same rate. He plans to make dumplings for outline to the second secon

15 В



**D** 198

5 Ashley flies a drone 2,640 ft in 5 s. At this rate, how many miles does the drone fly in a minute? Show your work. (1 mi = 5,280 ft)

The drone flies 6 & miles in 1 min.

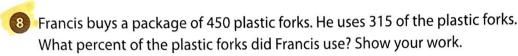


At a fabric store, metallic ribbon costs \$16 for 4 ft. White ribbon is priced at 3 ft per dollar. Use rates to show which kind of ribbon is more expensive per foot. Show your work.

white 
$$\frac{$1}{3ft} = \frac{0.3}{1ft} = \frac{$0.33}{1ft}$$

## solution The metallic ribbon is more expensive

Ophelia buys a package of paper napkins. The paper napkins in the package weigh 580 g. The label on the package says *Made with 35% recycled paper*. How many grams of recycled paper are used to make Ophelia's paper napkins? Show your work.



$$\frac{315}{450} \div \frac{45}{45} = \frac{7}{10} = \frac{70}{100} = 70^{\circ} l_{0}$$

## solution Francis used 70°/s of the forks

Richard and Nestor make paintings. Richard makes 40 paintings in 28 days. Nestor makes 45 paintings in 5 weeks. Who makes paintings at a faster rate? Show your work.

2ichard

28 days = 4 weeks

Nestor

## SOLUTION Richard paints at a faster rate

10 A soccer club has 560 members. So far,  $\frac{7}{8}$  of the members have helped clean up their practice park. What percent of the members have helped clean up the park? How many members have helped clean up the park? Show your work.

$$\frac{7}{8} = \frac{\times 70}{560} \times \frac{490 \text{ members}}{560}$$

SOLUTION 87.5°6 of the members helped Clean up. is 490 members out of the SleO members.



Mr. Hildebrant spends \$76 in a gift shop. This is 80% of the money he planned to spend in the gift shop. How much money did Mr. Hildebrant plan to spend in the gift shop? Show your work.

SOLUTION Mr. Hidelbrant plans to spend \$95

Monica is a professional musician who practices clarinet for the same amount of time every day. After she practices clarinet for 45 min on Wednesday, she has finished 18% of her daily clarinet practice. How many more minutes does Monica practice clarinet on Wednesday? Show your work.

SOLUTION Monica practices for 205 more minutes



13 Victor makes cinnamon waffles. His recipe calls for 3 tsp of cinnamon per 8 tsp of sugar. How many teaspoons of sugar are needed for 96 tsp of cinnamon?



C 124

**B** 36

**D** 256

An art gallery sells 1,400 paintings. The catalog states that 70% of the paintings are by local painters. How many of these paintings are by local painters?

A 20

C 420

**D** 980

70% of 1400 .70.1400 980

A machine holds a spool with 32 yd of ribbon. The machine uses ribbon at a rate of 4 ft per min. How long does it take the machine to use all the ribbon from the spool? Show your work. (1 yd = 3 ft)

32yd = \_\_\_\_ft

910:4 = 24

32.3 = 96ft

## SOLUTION It will take 24 minutes

16 What percent of 175 is 112? Write your answer in the blanks



